

ABSTRACT

Methods, systems, and computer program products for improving data transfer in complex computing environments. Internal routing enhancements are defined, which enable traffic of virtual servers to be processed more efficiently, thereby improving overall data transfer rates. Instead of performing routing operations in the Internet Protocol ("IP") layer of a networking stack, a "mini-routing" table is created programmatically and is used to perform routing at the Data Link Control ("DLC") layer. This technique avoids bottlenecks in the IP layer and speeds the data transfer process.